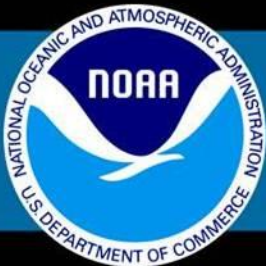


Strong Pacific Storm Systems to Affect Western Washington

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Do not use after 9 PM PDT, Wednesday, October 12, 2016



National Weather Service
Building a Weather-Ready Nation

Overview

Two strong Pacific storm systems are expected to affect the area tonight and through Sunday.

- **Storm #1 (tonight/Thursday)**
 - *Deep surface low tracking into Central Vancouver Island Thursday night*
 - *Strongest winds most likely along the coast and in the north interior.*
 - *The exact timing, location and strength of significant winds still depends on the track and strength of the surface low , which can still change.*
 - *1 to 2 inches of rain over the lowlands and 2 to 4 inches in the mountains.*
 - *Heavier accumulations of 5 or more inches are possible especially along the south facing slopes of the Olympic mountains Wednesday night through Thursday.*
 - *Snow levels will remain high, above 7000 feet during the heaviest rainfall Wednesday evening and Thursday, lowering to 5000 to 6000 ft on Friday.*
- **A second, *potentially stronger Pacific storm system will affect the region on Saturday and Sunday.***
 - *Models continue to show a very deep surface low tracking into the area that may bring heavier precipitation and even stronger winds than Thursday's system.*
 - *In addition to rainfall and winds, this system will also bring seas greater than 30 feet to the coastal waters of Washington and the potential for significant coastal flooding.*

Impacts

These storm systems have the potential to bring a wide range of potentially significant impacts to the region.

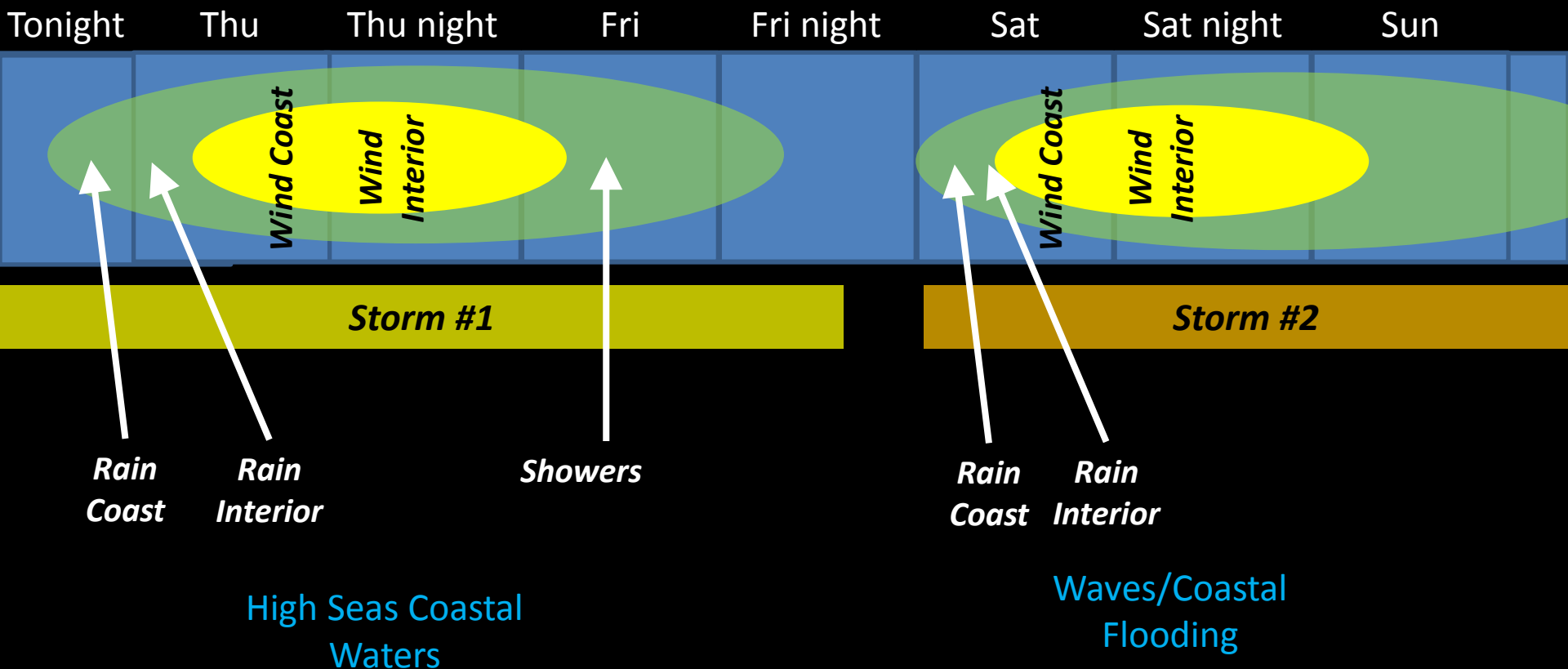
Storm #1

- ***High winds are possible** especially along the coast and the north interior. Impacts relative to strong winds such as widespread power outages and tree damage are possible*
- ***Heavy rain is expected** - especially over the Southwest slopes of the Olympics.*
- *Expect rises on area rivers and the potential for flooding (currently forecast for the Skokomish River in Mason County, ~Nooksack)*
- *High seas are possible, up to **20 feet Thursday night into Friday** morning. Primarily southerly swell and wind seas*

Storm #2

- *Potentially very strong storm system that could bring stronger winds and rainfall to the area.*
- *High seas potentially reaching **30 feet or higher**. Southwesterly swell and wind seas*
- *High seas, combined with other storm effects and tides may produce storm surge flooding along coastal areas of Washington.*

Timeline



Storm #1: Wind

- Winds rising along the coast late Thursday afternoon, followed by the interior during the evening
 - Could linger into Friday morning
- 30-40mph gusts to 60 mph Coast and North Interior
- 20-30 mph gusts 45-55 mph Puget Sound/metro

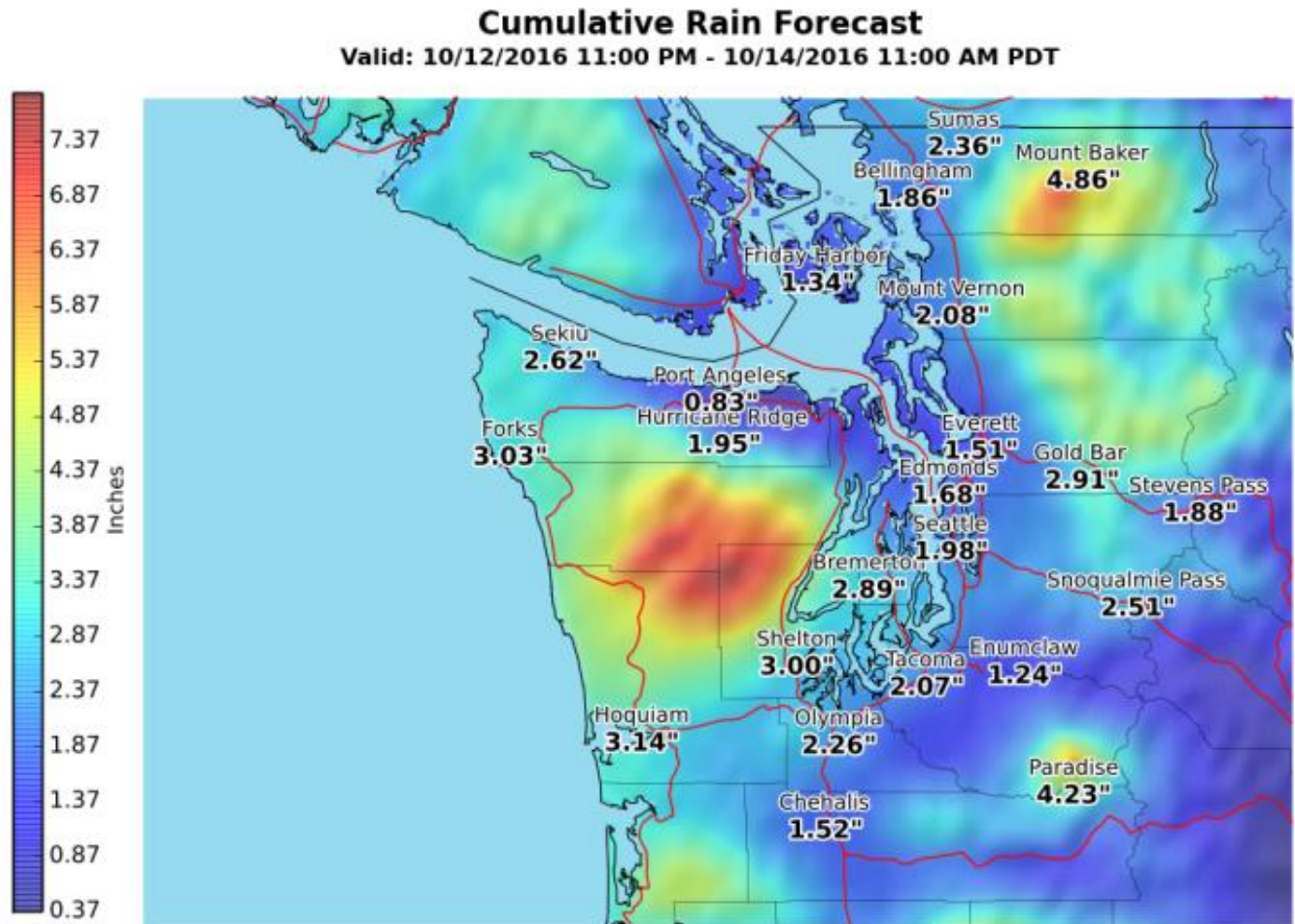


Storm #1: Rain

*1 to 2 inches
of rain over
the lowlands*

*2 to 4 inches
in the
mountains.*

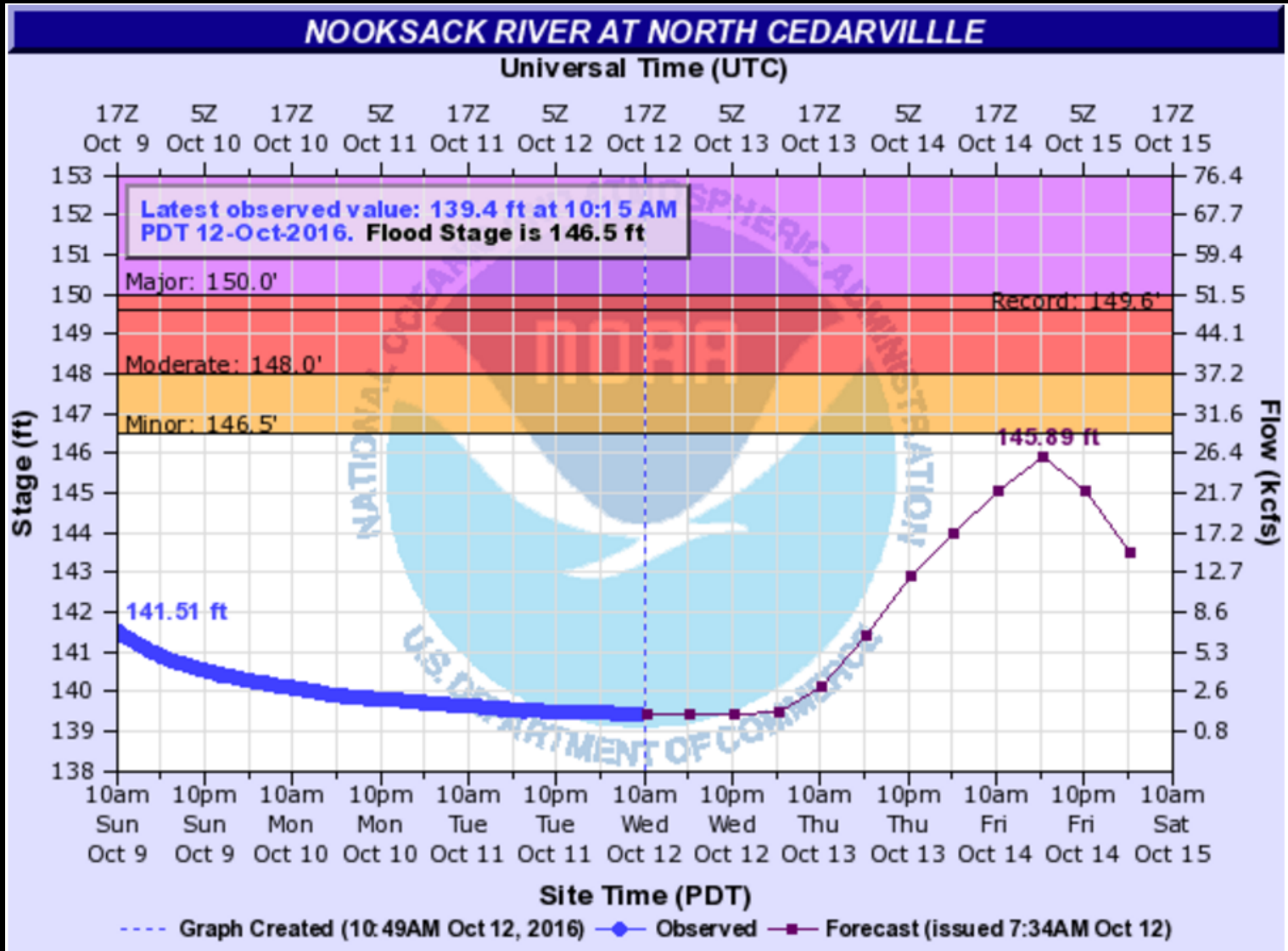
*5 or more
inches are
possible
along the
south facing
slopes of the
Olympic
mountains*



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Hydrology



Summary

These storm systems have the potential to bring a wide range of potentially significant impacts to the region.

Storm #1

- ***High winds**, especially along the coast and the north interior. Impacts relative to strong winds such as widespread power outages and tree damage are possible*
- ***Heavy rain is expected** - especially over the Southwest slopes of the Olympics.*
- *Expect rises on area rivers and the potential for flooding (currently forecast for the Skokomish River in Mason County)*
- *High seas are possible, up to **20 feet Thursday night into Friday** morning. Primarily southerly swell and wind seas*

Storm #2

- *Potentially very strong storm system that could bring stronger winds and rainfall to the area.*
- *High seas potentially reaching **30 feet or higher**. Southwesterly swell and wind seas*
- *High seas, combined with other storm effects and tides may produce storm surge flooding along coastal areas of Washington.*

Resources

NWS Seattle web site - weather.gov/seattle

- Advanced Hydrologic Prediction Service (AHPS)
- Area Forecast Discussions (Text and new Graphical)
- Doppler weather radar and satellite imagery loops
- Latest forecasts and warning statements
- Weather Story

Northwest River Forecast Center - www.nwrfc.noaa.gov

Northwest Weather and Avalanche Center – www.nwac.us